

# Work Order ID 52135

September 16, 2009 3:14:12 PM



Page 1

Item ID: D3183-5

Accept



Setup Start



Revision ID: C1

Stop



Item Name: Bearing

Start Date: 9/16/09 Start Qty: 100.00



Cust Item ID:

Required Date: 9/18/09 Req'd Qty: 100.00



Customer:

Reference:

Approvals: Process Plan:

*CL*

Date: 09/09/16 Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Draw  
Number

Draw  
Rev.

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

D3183

Rev C1

100

0.00



PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue P/O: 10413 | Bearing as per Dwg D3183 | Single row, deep groove, Conrad type, shielded | Possible Supplier: NSK P/N 6800ZZ. Certificate of conformity note is required

*CL 09/09/16 (100)*

110

Receive & Inspect for Damage & Mat'l Certs

0.00



Packaging

Memo

0.00

Packaging

Ensure certificate of conformity is attached

*PC 9/18 (100)*

120

QC6- Inspect dimensions to drawing

0.00



QC

Memo

0.00

Quality Control

*2) S 07/07/18*

*QSP019*

*counto  
(X100)*

*φ*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Work Order ID 52135

September 16, 2009 3:14:12 PM



Page 2

Item ID: D3183-5

Accept



Setup Start



Revision ID: C1

Stop



Item Name: Bearing

Start Date: 9/16/09

Start Qty: 100.00



Cust Item ID:

Required Date: 9/18/09

Req'd Qty: 100.00



Customer:

Reference:

Run Start



Approvals:

Process Plan:

Date:

Tooling:

Date:

Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Draw  
Number

Draw  
Rev.

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

130



Packaging

Identify as per dwg & Stock Location

236

0.00

Memo

0.00

Packaging

140



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

C209/09/18

9/9/18 1000 SP

09/09/21

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

\* NOTE: Date & initial all entries

# Picklist Print

September 16, 2009 3:14:11 PM

Work Order ID: 52135

Parent Item: D3183-5RevC1

Parent Item Name: Bearing

Comments:





Start Date: 9/16/09

Start Qty: 100.00

Required Date: 9/18/09

Required Qty: 100.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
6800ZZ  Bearing		Purchased	No			100	Each	0.0000	100.0000 		9/9/08 (100)	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

\* **NOTE:** Date & initial all entries



DESIGN #	DRAWN BY #	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. <b>D3183</b>	REV. C SHEET 1 OF 4
DATE <b>04.02.17</b>		TITLE <b>BRACKET ASSEMBLY</b>	SCALE 1:1
A	03.01.24	NEW ISSUE	
B	03.06.17	REMOVE BEARING; 1.012 WS 0.882	
C	04.02.17	ADD -045/-9; 0.182 WAS 0.431	

C1 # 04.01.09 0.830 WAS 0.850

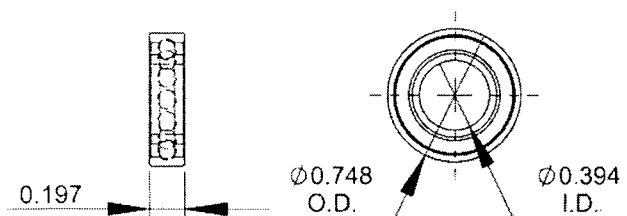
D3121-21 BOLT (1)  
D3183-045 BEARING ASSEMBLY (1)

D3121-21 BOLT (1)  
D3183-045 BEARING ASSEMBLY (1)

D3183-1 BRACKET FOR -041 (SHOWN)  
OR  
D3183-2 BRACKET FOR -042 (OPPOSITE)  
OR  
D3183-3 BRACKET FOR -043 (SIMILAR)  
OR  
D3183-4 BRACKET FOR -044 (SIMILAR)

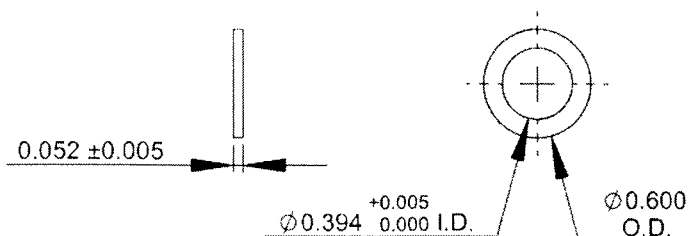
SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 32135

**D3183-041 BRACKET ASSEMBLY (SHOWN)**  
**D3183-042 BRACKET ASSEMBLY (OPPOSITE)**  
**D3183-043 BRACKET ASSEMBLY (SIMILAR)**  
**D3183-044 BRACKET ASSEMBLY (SIMILAR)**



**D3183-5 BEARING:**  
**SPECIFICATION CONTROL DRAWING**

- 1) SINGLE ROW, DEEP GROOVE, CONRAD TYPE, SHIELDED
- 2) POSSIBLE SUPPLIER: NSK P/N 6800ZZ
- 3) ALL DIMENSIONS ARE IN INCHES



**D3183-7 WASHER**

- 1) MATERIAL: AISI 303 ROUND BAR (M303R) ANNEALED
- 2) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES

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Cie • GENERAL BEARING SERVICE • Inc.

cie

# GENERAL BEARING SERVICE

inc.

www.gbs.ca

445 BOUL. MALONEY EST, GATINEAU, QUEBEC J8P 6Z8 (819) 643-2128

TVP # 1000022051  
TPS # R101979094

DATE: SEP 17, 2009

VENDU A: DART AEROSPACE LTD.  
1270, ABERDEEN STREET  
HAMKESBURY, ON.

KEA-1K7

VENDU PAR: LE  
VIA: DICOM

BON DE COMMANDE #: 10413

LICENSE TVP: 6122-5207

PRODUIT	DESCRIPTION	VENDU	LIVRE	PRIX	EXTENSION
1000022051	BALL BEARING	100	100	4.89	489.00
				T.P.S.	24.45
				TAXE PROV	39.12

8  
09/09/18

# D EXPEDITION: 881722-0

RECU PAR: \_\_\_\_\_

10415200





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO10413**

Purchase Order Date 9/16/09

PO Print Date 9/16/09

Page Number 1 of 1

**Order From :**

VC-GEN003

GENERALD BEARING  
445 MALONEY EST  
GATINEAU, QC  
GATINEAU, QC J8P 3V6  
CA

**FAKED**  
9/16/09

<b>Contact Name</b>		<b>Buyer</b>	Chantal Lavoie
<b>Vendor Phone</b>	819 643 2128	<b>Requisition Nbr</b>	
<b>Vendor Fax</b>	819 643 3054	<b>Tax Resale Nbr</b>	10127-2607
<b>Vendor Account Nbr</b>		<b>Terms</b>	Net 30
		<b>Currency</b>	CAD
		<b>FOB</b>	

**Ship To :** DART AEROSPACE LTD 1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	6800ZZ	Bearing	9/18/09 Yes	✓ 100.00 Each	Purolator ground	\$4.8900 ✓	\$489.00

**Special Inst:** AS PER DWG D3183 REV. C1  
B52135  
SINGLE ROW, DEED GROOVE, CONRAD  
TYPE, SHIELDED  
SUPPLIER NSK P/N: 6800ZZ

**PO Total:** \$489.00

**CERTIFICATE OF CONFORMITY**  
**REQ'D UPON DELIVERY**

**Change Nbr:** 1

**Change Date:** 9/16/09

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable